

**TOWN OF MOREHEAD CITY
PUBLIC WORKS DEPARTMENT**

706 ARENDELL ST.
MOREHEAD CITY, NC 28557
252.726.6849 FAX 252.726.2267

Recycling Roll-Out Carts

INVITATION TO BID & SPECIFICATIONS

BID OPEN DATE:	July 29, 2014
TIME:	Due at 2:00 p.m.
PLACE	City Hall Conference Room
ADDRESS	706 Arendell St. Morehead City, NC 28557

NOTICE TO BIDDERS
Recycling Roll-Out Carts
TOWN OF MOREHEAD CITY

Bids will be received by the Town of Morehead City at City Hall, 706 Arendell St., Morehead City, NC 28557 until 2:00 pm Eastern Daylight Savings Time, Tuesday, July 29, 2014 and at such time will be opened and read aloud.

The completed bid must be sealed in an envelope addressed to the Town of Morehead City. Each sealed envelope must be plainly marked on the outside as bid for "Recycling Roll-Out Carts". The bidder shall place its company name on the outside of the envelope, as well as its address.

Prices will be good for sixty (60) days.

The Town of Morehead City reserves the right to reject any and all bids and to award to the lowest responsible bidder based on the City's best interest.

Interested bidders may request a bid packet by contacting Robin Gollehon at ext. 122; by email at robin@bizec.rr.com or by visiting the City's website at www.moreheadcity.nc.gov

The Town of Morehead City is an equal opportunity employer/provider.

**MINIMUM SPECIFICATIONS
96 Gallon Residential Recycling Roll Out Carts**

PLEASE READ THIS ENTIRE DOCUMENT CAREFULLY. PROPOSALS NOT COMPLIANT WITH THESE SPECIFICATIONS WILL BE REJECTED**

GENERAL

It is the intent of this Request for Bids to procure 96 gallon plastic roll-out recycling carts for use in the Town of Morehead City's residential curb-side recycling program.

The carts will be fitted with UHF Radio Frequency ID tags (RFID tags). Bidders are required to provide the following:

1. Pricing for purchase of 3,600 ninety-six (96) gallon roll-out recycling carts meeting the specifications contained herein.
2. Pricing to include UHF RFID tags embedded in the cart.
3. Pricing for branding carts as detailed in the specifications.
4. Pricing for delivery of carts to Morehead City, NC. Distribution of the carts to residents will be completed by the Town of Morehead City.

Within the requirements of the grantor agency, the City intends to award to the most responsive, responsible bidder that provides the best bid meeting the requirements set forth herein and most advantageous to the City and therefore reserves the right to accept or reject any or all bids and to award in the best interest of the City.

This bid, in its entirety, when signed by the bidder constitutes a firm offer and when accepted by the City constitutes the entire contract for this project. **Bids will be rejected unless signed and submitted on the enclosed bid form and attached to this bid in its entirety.**

SPECIAL TERMS AND CONDITIONS

1. GENERAL:

Bids shall be submitted in accordance with the attached specifications and these special terms and conditions. Miscellaneous items normally associated with the major items described, but which may not be specifically stated, shall be furnished and delivered by the vendor as if they had been shown, without additional cost to the City.

2. NOTICE TO BIDDERS:

All bids are subject to the provisions of the instructions to bidders, special terms and conditions and the specifications. The Town of Morehead City will not consider any additional terms and conditions submitted with a bid. Conditional or qualified bids shall be subject to rejection in whole or in part. By execution and delivery of a bid the bidder agrees that any additional terms and conditions, whether submitted knowingly or inadvertently, shall have no force or effect. It shall be the bidder's responsibility to read this entire document, review all enclosures and attachments, and comply with all requirements specified herein.

4. CLARIFICATIONS/INTERPRETATIONS:

Any and all questions regarding this document must be addressed to the Town of Morehead City Public Works Department. Revisions to this document shall be made only by written addendum from the Town of Morehead City Public Works Department.

5. TECHNICAL INQUIRIES:

Questions regarding specifications may be directed to Mr. David McCabe, Public Works Director, Monday through Friday, 8:00 a.m. – 4:00 p.m. @ 252-726-6849 or mcpw@bizec.rr.com.

6. MINOR EXCEPTIONS TO SPECIFICATIONS:

Minor exceptions from the provisions of these specifications may be considered to permit manufacturers to follow their standard manufacturing processes however all proposed minor exceptions shall be explained in detail and submitted within the exceptions to specifications, time frame identified herein.

7. EXCEPTIONS TO SPECIFICATIONS OR ALTERNATE PROPOSALS:

In all cases materials must be furnished as requested, and where brand names are used, consider the term "or equal" to follow. Written approval for any proposed substitution or change in specifications must be obtained by bidder prior to the close of bids. Requests for information (RFI), approved equals or clarifications must be received by the Town of Morehead City in writing, not less than ten (10) days before the date of the scheduled opening (July 19, 2014). Such requests can be emailed.

It is up to the sole discretion of the City to allow or reject any alternatives or to modify the specifications. Approved alternatives will be published to prospective Suppliers at least 5 days prior to bid opening.

Changes to specifications will be made by written addendum only.

8. SAMPLE CARTS:

Following the bid opening, bidders shall be prepared to furnish a sample of the cart they propose to furnish within 5 business days of request for sample. ALL SAMPLE CARTS MUST BE FURNISHED AT NO CHARGE TO THE CITY. Sample carts will be made available for the bidder to recover after award.

All sample carts must be clearly marked with bidder's name and delivered to the City's Public Works Department at 600 N. 25th St. with complete specifications and descriptive literature. Suppliers requesting exceptions to specifications must furnish a sample cart for evaluation within the time period noted above for written exceptions to specifications or alternate bids.

9. NONCONFORMING TERMS AND CONDITIONS:

A bid that includes terms and conditions that do not conform to the bid document is subject to rejection as nonresponsive.

10. SUPPLIERS SUBMITTALS:

Bidder must furnish all information requested herein including descriptive literature and/or complete specifications covering the products offered. Bids which do not comply with this requirement will be subject to rejection. All documents submitted should bear the name of the bidder.

11. CONTRACT/AWARD:

Pursuant to the laws governing public contracts in North Carolina, the successful bidder's response to this Request for Bids and any addenda thereto, plus the City's issuance of a Town of Morehead City Purchase Order for the proposed goods and/or services shall constitute a binding contract.

12. INDEMNIFICATION:

The bidder agrees to save, defend, keep harmless, and indemnify the Town of Morehead City and all of its officers, departments, agencies, agents, and employees from and against all claims, loss, damage, injury, fines, penalties and cost including court costs and attorney's fees, charges, liability, and exposure, however caused and resulting from, arising out of, or in any way connected with the bidder's negligent performance or nonperformance of the terms of the contract.

13. ASSIGNMENT:

During the performance of the contract, the successful bidder shall not assign, transfer, convey, sublet, or otherwise dispose of any award or any or all of its rights, title, or interest therein, without the prior written consent of the Town of Morehead City.

14. WARRANTY:

Supplier to include the warranty provisions as outlined in proposal specifications.

15. TAXES:

Sales tax shall not be included in the bid prices. Taxes shall be calculated and added to the purchase order

16. SUBMITTALS:

Suppliers to submit one (1) original bid package and one (1) copy.

17. DELIVERY:

Bulk delivery of the carts shall be made to a staging area provided by the City at 600 N. 25 St. Further distribution of carts will be by the City.

18. EVALUATION AND SELECTION OF PROPOSALS:

The evaluation of bids shall be based on lowest responsible bid as detailed previously. The statutory provisions controlling purchasing by local governments in N. C. (GS 143) includes selection standards for use in making of awards. The Town of Morehead City reserves the right to accept or reject any or all bids and further specifically reserves the right to make the award in the best interest of the City.

19. DURATION:

All proposals shall be made firm for no less than sixty (60) days.

DETAILED SPECIFICATIONS

General:

It is the intent of these minimum specifications to describe a 96 gallon plastic roll-out recycling cart for the purpose of containing residential household recyclables. The carts must be compatible with standard American semi-automated bar-locking lifters (ANSI type B). The City will accept bids for either rotational or injection molded carts. Please

note where your cart is equivalent to or exceeds the specification. Any and all exceptions taken must be identified with a detailed description as to how the proposed equipment is equal to or exceeds the requested specification. Independent test data should be provided.

A. CART DESCRIPTION:

1. The container must be rotational or injection molded.
2. The container must meet ANSI Z245.30-2008 and ANSI Z245.60-2008 standards. **Provide certification with Proposal.**
3. The capacity of the carts, not including the lid, must be approximately 96 gallons.
4. Plastic resin must be first quality high density polyethylene for injection molded or medium density polyethylene for rotational molded, and be 100% recyclable. **Recycle Carts must be blue in color. Suppliers must submit color chips of their palette of blue color options.** Supplier must submit a specification sheet from polyethylene manufacturer with Proposal.
5. The cart must contain some post-consumer recycled plastic in cart and lid, Supplier to list the percentage that they propose to include.
6. The container shall be stabilized against ultraviolet rays with color pigment and ultraviolet inhibitors. Suppliers must supply manufacturer's sheet detailing UV stabilization.
7. The cart must have a minimum wall thickness of 0.175 inches for injection molded and 0.160 for rotational molded. **Provide certification with Proposal.**
8. The top of container must be molded with a reinforced rim to add structural strength and stability to cart. This rim serves as a barrier to escaping odors, pests and water entering cart.
9. The interior of cart shall be smooth and free of pockets, recesses, and anything that will prevent the complete dumping of its contents.
10. There shall be a wear ridge molded around the perimeter of the cart bottom to prevent abrasion wear-through.
11. The cart shall be equipped with the attachment points which make it compatible on standard American semi-automated bar-locking lifters. The lower attachment bar must be metal and rotate freely 360 degrees.
12. To insure cart durability under unusually heavy loads the cart must have a load rating equal to the maximum allowed by ANSI Standards of 3.5 pounds per gallon of volume. Provide certification with Proposal.
13. Maximum height 47 inches.
14. Maximum width 30 inches.
15. Maximum weight assembled **96 gallon - 37 lbs.**
16. Stability-must withstand 35 mph winds. Provide certification with Proposal.

B. HANDLE:

1. Push-pull handles shall be molded as an integral part of the cart body.
2. Handles shall conform to ANSI 245.30-2008. Pinch points are not acceptable.
3. Handles must not be able to rotate on their own axis at any time.

C. LIDS:

1. The lid shall be made from the same material as the body and shall be configured in such a manner that it will not warp, bend, slump, or distort to such an extent that it no longer fits the cart properly.

2. Lids shall be water tight, prohibit vermin from entering and odors from emanating out.
3. Lid attachment is critical to the durability of the cart. Lids attached with fasteners such as metal screws and or bolts are not acceptable.
4. The lid must open from a closed position through a full 270 degree arc using easily accessible lifting mechanisms.
5. Lids should not interfere with the flow of refuse from cart during the dumping cycle.
6. Handles for the opening of lids shall be easily accessible without having to touch the internal portion of the cart.

D. WHEELS AND AXLES:

1. The wheels shall be made of one-piece molded plastic construction and must be "snap-on" design.
2. Each container shall be equipped with two (2) plastic molded wheels, rated for 200 lbs. loaded per wheel. Attachment system must securely hold wheels on through 10 years of automated dumping. Diameter for 96 gallon cart is 10 inches minimum.
3. Axle shall be $\frac{3}{4}$ inch diameter, rust resistant, tempered, rolled solid steel for injection molded. Rotational molded axles shall be $\frac{5}{8}$ inch diameter, rust resistant, tempered, rolled solid steel. Axles shall be mounted in the container body through yokes molded into the container body and providing permanently lubricated bearing surfaces. Yokes must be well braced and provide support against forces tending to bend axle.

E. METAL TUBING

All metal tubing used in the lift bar must be a minimum of 16 gauge and be constructed to remain free of rust and corrosion for the duration of the warranty.

F. CART IDENTIFICATION AND MARKINGS - BRANDING:

1. Serial numbers shall be stamped on front or one side of cart.
2. The "Town of Morehead City" shall be hot stamped on front of cart in white. "Recycling Only" shall be stamped in cart lid in white
3. All ANSI and regulatory labeling of cart must be stamped on lid.

G. REFERENCES:

All bidders shall supply with the bid, a reference list of at least (3) three cities with a minimum of 10,000 carts using the bidder's carts in a semi-automated collection system for a period of at least five years.

Failure to submit this requirement will result in disqualification of Proposal.

H. WARRANTY:

Bidder must submit with bid document the exact warranty for the recycling cart. The non-prorated warranty must specifically provide for no-charge replacement of any component parts which fail in materials or workmanship for a period of ten (10) years after installation. The bidder's warranty shall include, whether stated in the warranty or not, the following coverage:

- a. Failure of the lid to prevent rainwater from entering the container when closed on the container body.

- b. Damage to the container body, the lid or any component parts through opening or closing the lid.
- c. Failure of the body and lid to maintain its original shape.
- d. Failure of the wheels to provide continuous, easy mobility, as originally designed.
- e. Failure of any part to conform to minimum standards specified herein.

I. REPLACEMENT PARTS

The awarded vendor shall provide the continuous availability of parts over the warranty period. If the vendor fails to comply with this requirement, it shall provide total replacement of the container including lids, wheels, axle, grabbers and any and all incidental parts required to replace or rebuild carts to make it fully operational per these specifications. **A parts price list shall be submitted with the Proposal and these prices shall be guaranteed for a five-year period from the date of delivery.**

J. REPAIR TOOLS

The vendor will provide one full set of any specialized tools required to make repairs, remove or install parts and must be provided at NO CHARGE to the City.

K. RADIO FREQUENCY ID TAGS

1. Each cart will include RFID tags embedded into the cart. All recycling carts will be scanned and associated with the cart serial number.
2. Tags must be Ultra High Frequency
3. RFID tags must be embedded into the cart. Riveted and adhered tags on the body of the cart will not be accepted.
4. RFID technology will be comprised of passive RFID tags.
5. RFID embedded tags will support a GEN2 protocol. Configuration will contain a standard 96 bit ePC memory.
6. RFID embedded tags must feature Kill & Access passwords to provide security and privacy. Tags must support anti-collision technology.
7. RFID tags must withstand temperatures ranging from -31F to +122F.
8. RFID tags must provide for simple replacement in the event of premature failing.
9. RFID tags will be secure from tampering and protected from direct UV radiation and the physical elements.
10. RFID tags will have a field life expectancy of 10 years.
11. RFID tags will have a read range of up to 6 feet.
12. RFID tags shall be scanned and associated with serial numbers of carts at the manufacturing point.
13. Data of each container's serial number and RFID tag id will be provided in a format importable to Microsoft Excel.

L. PROTOTYPE:

The awarded contract vendor must provide the Town of Morehead City a manufactured Prototype cart for final approval prior to the start of mass production.

M. ASSEMBLY & DELIVERY.

Successful bidder shall be required to:

1. Deliver carts one inside another, fully assembled, in a stack of at least 7 carts high for more cost effective delivery. Include one set of repair tools as required.
2. Include database (in MS Excel Format) with shipment
3. Provide cart delivery schedule from upon award to 600 N. 25th St., Morehead City NC

BID FORM

	UNIT PRICE	AMOUNT
3,600 RECYCLING ROLL OUT CARTS, 96 gallon, blue in color delivered to MHC,NC in accordance with the specifications.	EA	_____
3,600 ULTRA HIGH FREQUENCY RFID tags embedded in the cart in accordance with the specifications.	EA	_____
BRAND PLATES including "Morehead City" cart body branding, "Recycling Only" cart lid branding and Serial # all in white in accordance with the and specifications.	LS	_____
FREIGHT including delivery to the Morehead City Public Works lay down yard at 600 N. 25 th St.	LS	_____
TOTAL		_____

Name of Firm: _____

Address: _____

City _____ State: _____ Zip: _____

Telephone: _____ Fax: _____

Name of Representative (Print or Type)

Signature and Title, Date
